

Title (en)  
METHOD OF OPERATING A TELECOMMUNICATIONS NETWORK

Title (de)  
VERFAHREN ZUM BETRIEB EINES TELEKOMMUNIKATIONSNETZES

Title (fr)  
PROCÉDÉ D'EXPLOITATION D'UN RÉSEAU DE TÉLÉCOMMUNICATIONS

Publication  
**EP 4302465 A1 20240110 (EN)**

Application  
**EP 22711489 A 20220218**

Priority

- GB 202102850 A 20210301
- EP 2022054136 W 20220218

Abstract (en)  
[origin: WO2022184476A1] A computer-implemented method (300) of operating a telecommunications network (110-1), said telecommunications network comprising a plurality of nodes (150), and the method comprising the steps of: storing: a set of historic reconfiguration instructions, said instructions having been used to reconfigure the telecommunications network; first status information from each of the plurality of nodes, wherein said first status information is received prior to reconfiguring the telecommunications network according to a given historic reconfiguration instruction; and second status information from each of the plurality of nodes, wherein said second status information is received after reconfiguring the telecommunications network according to the given historic reconfiguration instruction; receiving a new reconfiguration instruction (310); prior to reconfiguring the telecommunications network according to the new reconfiguration instruction, identifying from the set a similar historic reconfiguration instruction having a similarity to the new reconfiguration instruction within a tolerance threshold; comparing the first and the second status information associated with the identified similar historic reconfiguration instruction so as to determine whether the identified similar historic reconfiguration instruction resulted in a detrimental effect to performance of the telecommunications network; in dependence on whether the identified similar historic reconfiguration instruction resulted in a detrimental effect, calculating a success confidence metric for the new reconfiguration instruction, said metric representing a probability that a reconfiguration instruction does not result in a detrimental effect to performance of the telecommunications network (320); and if the success confidence metric is: greater than a predetermined threshold value, reconfiguring the telecommunications network according to the new reconfiguration instruction (350); or less than a predetermined threshold value, preventing reconfiguration of the telecommunications network according to the new reconfiguration instruction (360).

IPC 8 full level  
**H04L 41/0813** (2022.01); **H04L 41/0853** (2022.01); **H04L 41/0859** (2022.01); **H04L 41/0866** (2022.01); **H04L 41/142** (2022.01)

CPC (source: EP GB US)  
**H04L 41/0813** (2013.01 - EP GB); **H04L 41/084** (2013.01 - US); **H04L 41/0859** (2013.01 - GB); **H04L 41/0866** (2013.01 - EP); **H04L 41/147** (2013.01 - GB); **H04L 41/0856** (2013.01 - EP); **H04L 41/0859** (2013.01 - EP); **H04L 41/142** (2013.01 - EP); **H04L 41/5019** (2013.01 - EP)

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AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

Designated validation state (EPC)  
KH MA MD TN

DOCDB simple family (publication)  
**WO 2022184476 A1 20220909**; EP 4302465 A1 20240110; GB 202102850 D0 20210414; GB 2604587 A 20220914; GB 2604587 B 20230517; US 2024146607 A1 20240502

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**EP 2022054136 W 20220218**; EP 22711489 A 20220218; GB 202102850 A 20210301; US 202218548176 A 20220218